Speedway Well Calculations

141, p. 2

Well ID#	Gallons per minute (Ref. ▮▮▮▮)	Population Served
2	700	1,135.25
3	400	648.7143
4	350	567.625
6	500	810.8928
7R	300	486.5357
8R	225	364.9018
9	300	486.5357
10R	300	486.5357
11R	375	608.1696
12	500	810.8928
13	500	810.8928
14R	500	810.8928
15	250	405.4464
Surface Intake	2,083.33	3,378.71

Surface Intake Total	7,283.33	
Total Population		11,812.00

There are 11,812 people served by Speedway Municipal wells   (Ref. 135, p. 2)

Total Gallons pumped per minute = 700 + 400 + 350 + 500 + 300 + 225 + 300 + 300 + 375 + 500 + 500 + 500 + 250 + 2,083 = 7,283.33

The following calculation is an example how the population was apportioned for each well/intake:

For Well 2

(700 (GPM)/7,283.33 (gallons pumped per minute) X (11,812 (population served))
 = 1,135.25 people